

## Enclosure A: FOIA Request # EPA-R5-2017-006799 - Index of documents

The requestor narrowed the scope of the request to exclude some items listed in the administrative record, such as websites and publicly available documents, via an email dated 5/3/2017. In order to keep the document numbers in the below index the same as in the Administrative Record Index for the Energex Petroleum, Inc. well Lanphar 1-12, EPA #MI-125-2R-0003, the items excluded from the request scope are crossed out and their document numbers skipped.

Record #	Record type	Date	Time	Title/Description/Subject	# of pages	Author/Generator	Exemption, as applicable
1 (a, b, c, d, e, f, g)	Letter/Document	3/31/15		UIC permit application: Lanphar 1-12 DRAFT Permit #MI-125-2R-0003, Oakland County, Michigan	197	Energex	
2	Email	9/3/15	10:08 am	RE: Energex Application for Lanphar 1-12 (EPA UIC draft #MI-125-2R-0003);,	2	EPA	
3	Letter/Document	Undated		Additional information for the Underground Injection Control Permit Application #MI-125-2R-0003 Lanphar 1-12 injection Well (received 11/25/15 )	31	Energex	Redactions on page 4 per FOIA Exemption 6, 5 U.S.C § 552(b)(6) "personnel and medical files and similar files the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.")
4	Email	1/4/16	10:03 am	RE: Energex Application for Lanphar 1-12 (EPA UIC draft #MI-125-2R-0003) w/attachment "Energex Bonding.pdf	18	Energex	
5	Email	2/26/16	9:40 am	Energex Bond Confirmation Letter; reeived from bank	2	Energex	
6	Letter	2/25/16		Email attachment: Bond Confirmation Letter	2	Comerica	
7	Email	6/30/16	1:18 pm	Energex Lanphar 1-12 Injection Well Application - Additional information (re: fractures) with attachment (email forwarding letter)	2	EPA	

8	Document			U.S. EPA Draft Permit, Underground Injection Control Permit, Class II, #MI-125-2R-0003, Lanphar 1-12			
9	Document			Statement of Basis for U.S. EPA Draft Permit, Underground Injection Control Permit, #MI-125-2R-0003, Lanphar 1-12			
10	Document	NA		Safe Drinking Water Act (publicly available online)			
11	Document	NA		Safe Drinking Water Act regulations at 40 C.F.R. Parts 144 and 146 (publicly available online)			
12	Email	3/27/15	11:36 am	Energex Application for gas injection	1	EPA	
13	Email	3/27/15	12:52 pm	Re: Energex Application for gas injection	1	Energex	
14	Email	3/27/15	11:56 am	Re: Energex Application for gas injection	1	EPA	
15	Email	3/27/15	2:53 pm	Re: Energex Application for gas injection	1	Energex	
16	Memo to file	4/21/15		Screening report: for environmental justice (EJScreen), other resource management areas	6	EPA	
17	Letter	5/5/15		Completeness review letter, #MI-125-2R-0003, Lanphar 1-12	2	EPA	
18	Note to file	August-Sept. 2015		Calculations for proposed well construction, AOR wells, and maximum allowable injection pressure	10	EPA	
19	Email	9/3/15	9:30 am	RE: Energex Application for Lanphar 1-12 (EPA UIC draft #MI-125-2R-0003);	2	EPA	
20	Email	9/3/15		RE: Energex Application for Lanphar 1-12 (EPA UIC draft #MI-125-2R-0003)	2	Energex	
21	Email	9/30/15	10:08 am	Letter request for additional information for the permit application to Energex;	6	EPA	
22	Email	10/26/15	11:53 am	RE: Energex Application for Lanphar 1-12 (EPA UIC draft #MI-125-2R-0003);	2	EPA	

23	Website printout	12/17/15		Michigan Department of Environmental Quality (MDEQ) GeoWebface printout, AOR map and wells in AOR	2	EPA/MDEQ	
24	Memo to file	2/21/17		Endangered species determination, #MI-125-2R-0003, Lanphar 1-12, Oakland County, Michigan	4	EPA	
25	Email	12/22/15	11:58 am	RE: Energex Application for Lanphar 1-12 (EPA UIC draft #MI-125-2R-0003)	2	EPA	
26	Letter	12/22/15		EPA letter to State Historic Preservation Office (SHPO) about National Historic Preservation Act	4	EPA	
27	Website printout	12/29/15		USGS Geologic Hazards Science Center/2009 Earthquake Probability Mapping application, <a href="https://geohazards.usgs.gov/eqprob/2009/index.php">https://geohazards.usgs.gov/eqprob/2009/index.php</a>	1	EPA/USGS	
28	Website printout	12/29/15		The United States Geological Survey (USGS) Site. Earthquake Hazards Program, Global Earthquake Search (Beta) Application. Web. 11 April 2013. <a href="http://earthquake.usgs.gov/earthquakes/states/michigan/seismicity.php">http://earthquake.usgs.gov/earthquakes/states/michigan/seismicity.php</a>	1	EPA/USGS	
29	Website printout	12/29/15		MDEQ GeoWebface printout, AOR map and water wells	1	EPA/MDEQ	
30	Email	2/2/16	10:23 am	FW: Bond Confirmation - Energex Petroleum (USA) LLC	1	Energex	
31	email	3/9/16	5:22 pm	Email: Information Inquiry for EPA UIC permit MI-125-2R-0003, Lanphar 1-12 Well; to Michigan State Archeologist about well site	1	EPA	
32	Email	3/15/16	7:59 am	Re: Information Inquiry for EPA UIC permit MI-125-2R-0003, Lanphar 1-12 Well; request for clarification from State Archaeologist		Michigan SHPO	
33	Email	3/15/16	3:14 pm	Response and clarification to State Archeologist	2	EPA	
34	Email	3/17/16	6:46 am	Re: Information Inquiry for EPA UIC permit MI-125-2R-0003, Lanphar 1-12 Well	2	Michigan SHPO	

35	Memo to file	5/19/16		Memo to file: NHPA compliance determination of no effect	5	EPA	
36	Email	6/13/16	11:52 am	Email: Lanphar # 1-12; request for faults/fracture in AoR information	2	EPA	
37	Email	6/14/16	8:59 am	Email: RE: Lanphar # 1-12; request for faults/fracture in AoR information (response to email)	4	Energex	
38	Memo to file	10/7/16		Memo to file: USDW and Confining Zone	2	EPA	
39	Memo to file	2/21/17		Memo to file re: fracture and seismic potential review, #MI-125-2R-0003, Lanphar 1-12, Oakland County, Michigan	2	EPA	
40	Website printout	7/13/16		Printout: water well records for Oakland County, T05N, R11E, Section 12; Scanned Water Well record retrieval System, <a href="http://www.deq.state.mi.us/well-logs/">www.deq.state.mi.us/well-logs/</a>	24	EPA/MDEQ	Redactions on pages 3 through 23 per FOIA Exemption 6, 5 U.S.C § 552(b)(6) "personnel and medical files and similar files the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.")
41	Website printout	Apr. 2015		U.S. Fish and Wildlife Service (USFWS) Factsheet: Northern long-eared bat ( <i>Myotis septentrionalis</i> ), Apr. 2015	2	EPA/USFWS	
42	Website printout	Dec. 2006		USFWS Factsheet: Indiana Bat ( <i>Myotis sodalis</i> ), Dec. 2006	2	EPA/USFWS	
43	Website printout	Jan. 2012		USFWS Factsheet: Rayed Bean ( <i>Villosa fabalis</i> ), Jan. 2012	2	EPA/USFWS	
44	Website printout	Jan. 2012		USFWS Factsheet: Snuffbox ( <i>Epioblasma triquetra</i> ), Jan. 2012	2	EPA/USFWS	
45	Website printout	9/30/15		USFWS News release re: designated Critical Habitat, Poweshiek skipperling. (9/30/2015)	2	EPA/USFWS	
46	Website printout	Oct. 2015		USFWS Factsheet: Poweshiek skipperling ( <i>Oarisma poweshiek</i> ), Oct. 2015	2	EPA/USFWS	

47	Website printout	Oct. 2015		USFWS Critical Habitat maps: Poweshiek skipperling, Oakland County, Michigan, Oct. 2015	4	EPA/USFWS	
48	Website printout	Sept. 2016		USFWS Factsheet: Eastern Massasauga ( <i>Sistrurus catenatus</i> ) September 2016	2	EPA/USFWS	
49	Document	1981		Hydrogeologic Atlas of Michigan (atlas maps), Department of Geology, Western Michigan University, Kalamazoo, Michigan, 1981		Western Michigan University, Kalamazoo, Michigan,	
50	Document	1981		Michigan Hydrogeologic Atlas, Part I: Hydrology for Underground Injection Control in Michigan, Department of Geology, Western Michigan University, Kalamazoo, Michigan, 1981	202	Western Michigan University, Kalamazoo, Michigan,	
51	Document	2000		Stratigraphic Nomenclature for Michigan, MDEQ, 2000 (Michigan stratigraphic column)	1	MDEQ	
52	Document	2007		Apple, Beth A. and Howard W. Reeves—Summary of Hydrogeologic Conditions by County for the State of Michigan—U.S. Geological Survey Open-File Report 2007-1236, 87 pp. Date Posted: September 21, 2007: [ <a href="http://pubs.water.usgs.gov/ofr2007-1236/">http://pubs.water.usgs.gov/ofr2007-1236/</a> ]		U.S. Geological Survey	
53	Website printout	3/12/80		Lanphar #1-12 well log, dated 3/13/80 - MDEQ GeoWebFace Accesible Maps, Data, Files Application 2013, <a href="http://ww2deq.state.mi.us/GeoWebFace/#">http://ww2deq.state.mi.us/GeoWebFace/#</a>	8	EPA/DEQ	
54	Website	NA		MDEQ GeoWebFace Accesible Maps, Data, Files Application 2013, <a href="http://ww2deq.state.mi.us/GeoWebFace/#">http://ww2deq.state.mi.us/GeoWebFace/#</a>		MDEQ	
55	Website printout	10/14/16		Water well data search: MDEQ GeoWebFace Accesible Maps, Data, Files Application 2013, <a href="http://ww2deq.state.mi.us/GeoWebFace/#">http://ww2deq.state.mi.us/GeoWebFace/#</a>	1	EPA/MDEQ	

56	Document	2/2/15		"Minimizing and Managing Potential of Injection-Induced Seismicity from Class II Disposal; Practical Approaches" <a href="https://www.epa.gov/sites/production/files/2015-08/documents/induced-seismicity-201502.pdf">https://www.epa.gov/sites/production/files/2015-08/documents/induced-seismicity-201502.pdf</a>		EPA	
57	Email	3/16/17	3:42 pm	RE: Energex Injection Well Application Lanphar 1-12	1	EPA	
58	Email	3/17/17	11:40 am	email: RE: Energex Injection Well Application Lanphar 1-13	3	Energex	
59	Note to file	3/20/17		Conversation record: Maximum injection pressure for the proposed well Lanphar 1-12 (record of conversation with Duncan Hamilton, Energex re: MIP calculation)	2	EPA	
60	Website printout	3/24/17		CO <sub>2</sub> Calculator - a web computational tool; Penn State Earth and Mineral Science Energy Institute; <a href="http://www.energy.psu.edu/tools/CO2-EOS">www.energy.psu.edu/tools/CO2-EOS</a>	2	EPA/Penn State	
61	Memo to file	3/24/17		Memo to file: maximum injection pressure calculation for the Lanphar 1-12 proposed injection well	4	EPA	